

```

M:= (XXT·XX)      N:= (XXT·YY)
P:= M+OX          Q:= N+OY
bigβ:= P-1·Q
augX:= X
augXn,4:= 0
augXX:= XX
augXXn,4:= 0      newdels:= 0
bidel:= 4..rows(β)  newdels:= if(rows(β)>3,βbdel, 0)
TREND:= (bigβ2)·60  non-scalar value
TREND2:= [(bigβ4)·60]+TREND

```

FIG. 2

```

OX:=READPRN(olddtx)      OY:=READPRN(olddtxy)      OD:=READPRN(olddeliveries)

od:=0
  rows(OD)
  od:=  $\sum_{j=1}^{rows(OD)} OD_j$ 
  YY1,1:=1
  YYn,1:=1
  XX1,2:= $\left(\frac{Comp_{1,11}}{60}\right) \cdot (-1)$ 
  XXn,2:= $\left(\frac{Comp_{n,11}}{60}\right) \cdot (-1)$ 
  XX1,3:= $\left(Comp_{1,12}\right) \cdot (-1)$ 
  XXn,3:= $\left(Comp_{n,12}\right) \cdot (-1)$ 
  XX1,4:=X1,2
  XXn,4:=Xn,2
  YY1,1:=Y1,1-od
  YYn,1:= $(Y_{n,1}-od)-if[(rows(Num\_Del)>1),if[(Comp_{n,11})>(Num\_Del_{h,2}),\beta_{h+\beta shift},0],0]$ 

```

FIG. 3

kxb:=15..15+Num_Meters

LR:=READPRN(lastrow)

Comp_{1,b}:=LR_b

cc:=2..rows(Comp)

lostsales_{kxb-14}:=if [(Gross=1), $\left[\left[\frac{(\text{Comp}_{2,\text{kxb}}) - (\text{Comp}_{1,\text{kxb}})}{\text{denom}} \right], \left[\frac{(\text{Comp}_{2,\text{kxb}}) - (\text{Comp}_{1,\text{kxb}})}{\text{denom}} \right] \cdot [1 + [(60 - \text{Comp}_{2,9}) \text{ce}]] \right]$

Num_Meters

lsales:= $\sum_{j=1}^{\text{lostsales}_j}$

day:=[(Comp_{2,2})·(-1)]-[(Comp_{1,2})·(-1)]

lhour:=(23-Comp_{1,3})·3600

lmin:=(60+Comp_{1,4})·60

nhour:=Comp_{2,3}·3600

nmin:=[Comp_{2,4}·(-1)]·60

ltime:=if[day>0,((day-1)·86400)+lhour+lmin+nhour+nmin,if[day=0,[(Comp_{2,3}-Comp_{1,3})·3600]+lmin+nmin,-9999]]

Comp_{cc,11}:=Comp_{cc,11}+Comp_{1,11}+ltime

Comp_{cc,12}:=Comp_{cc,12}+Comp_{1,12}+lsales

FIG. 4

ROUTINE
OPERATION
100

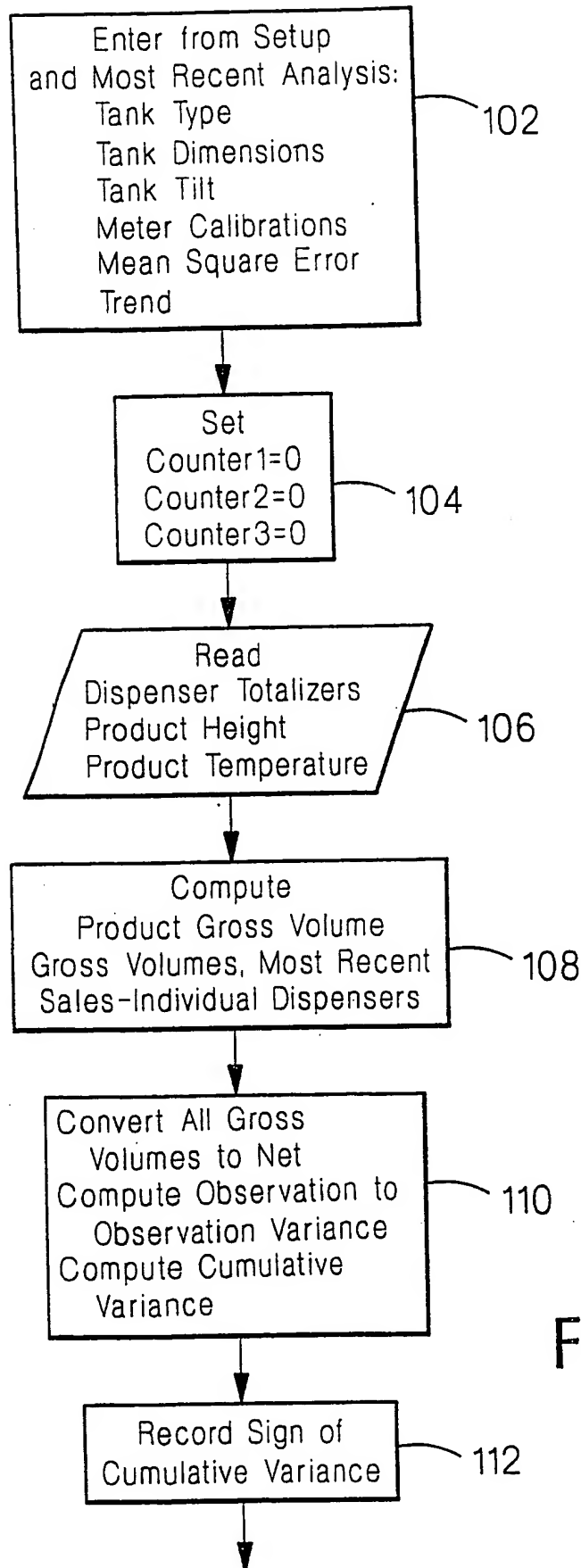


FIG. 5

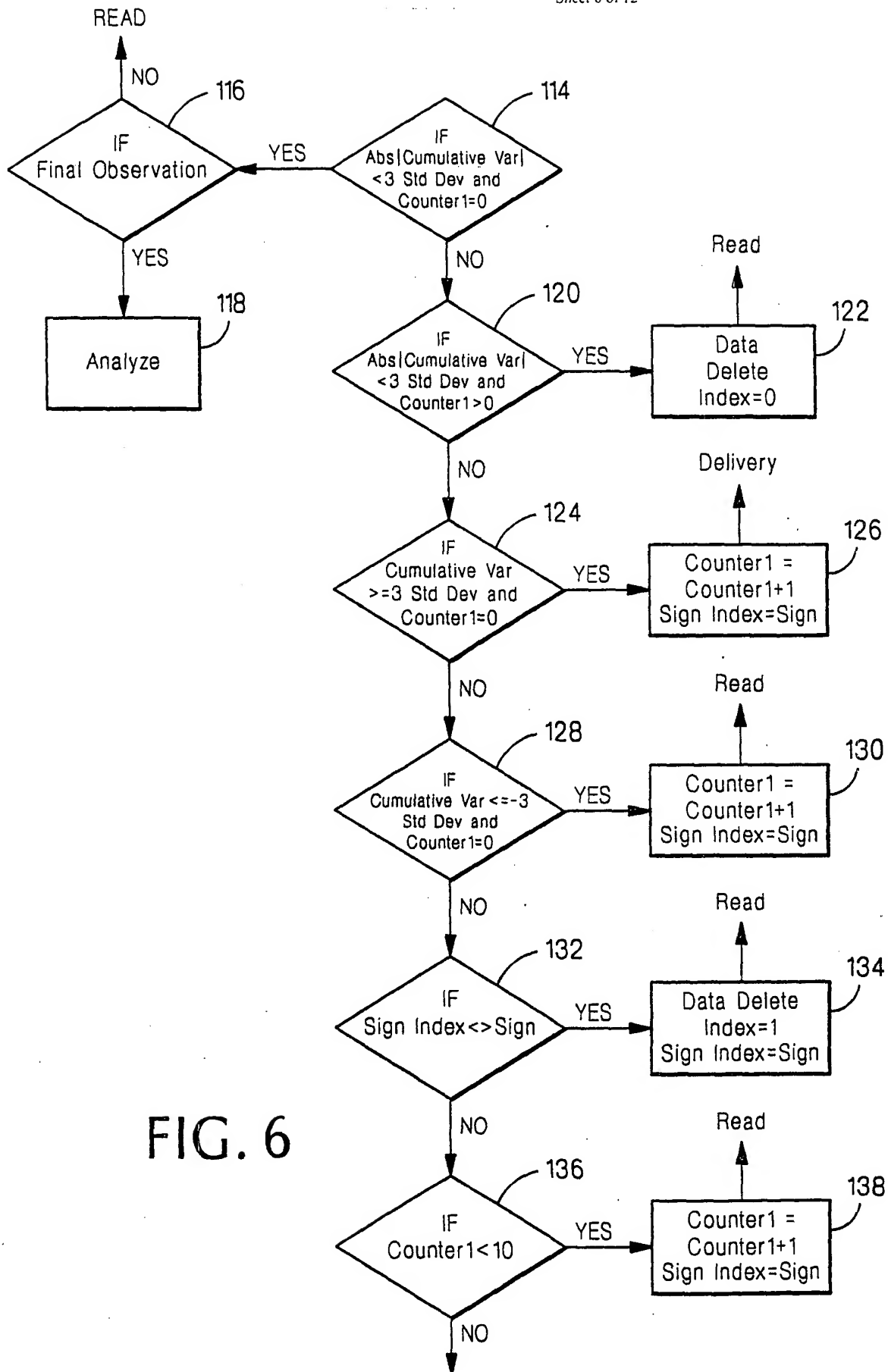
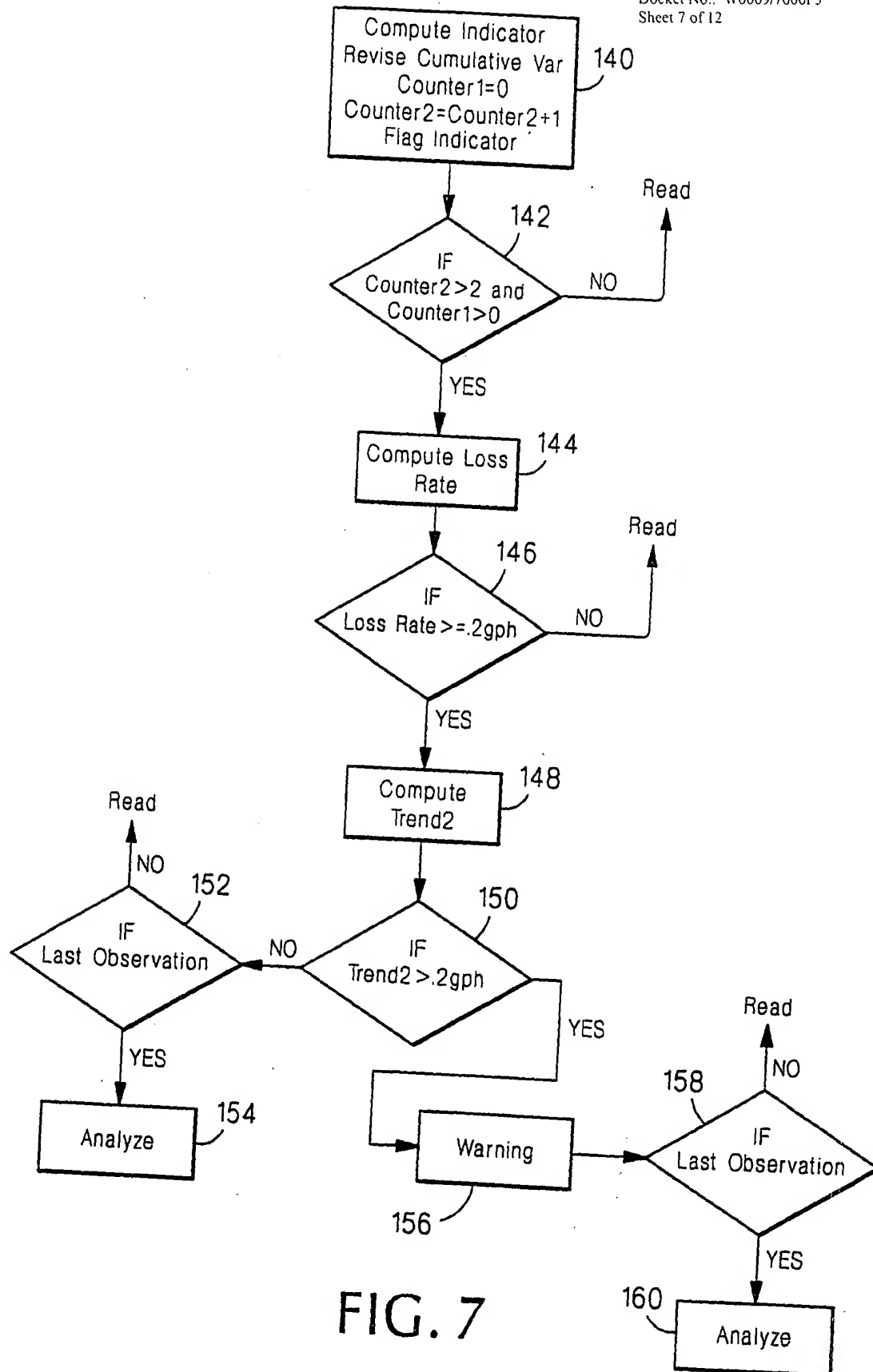


FIG. 6



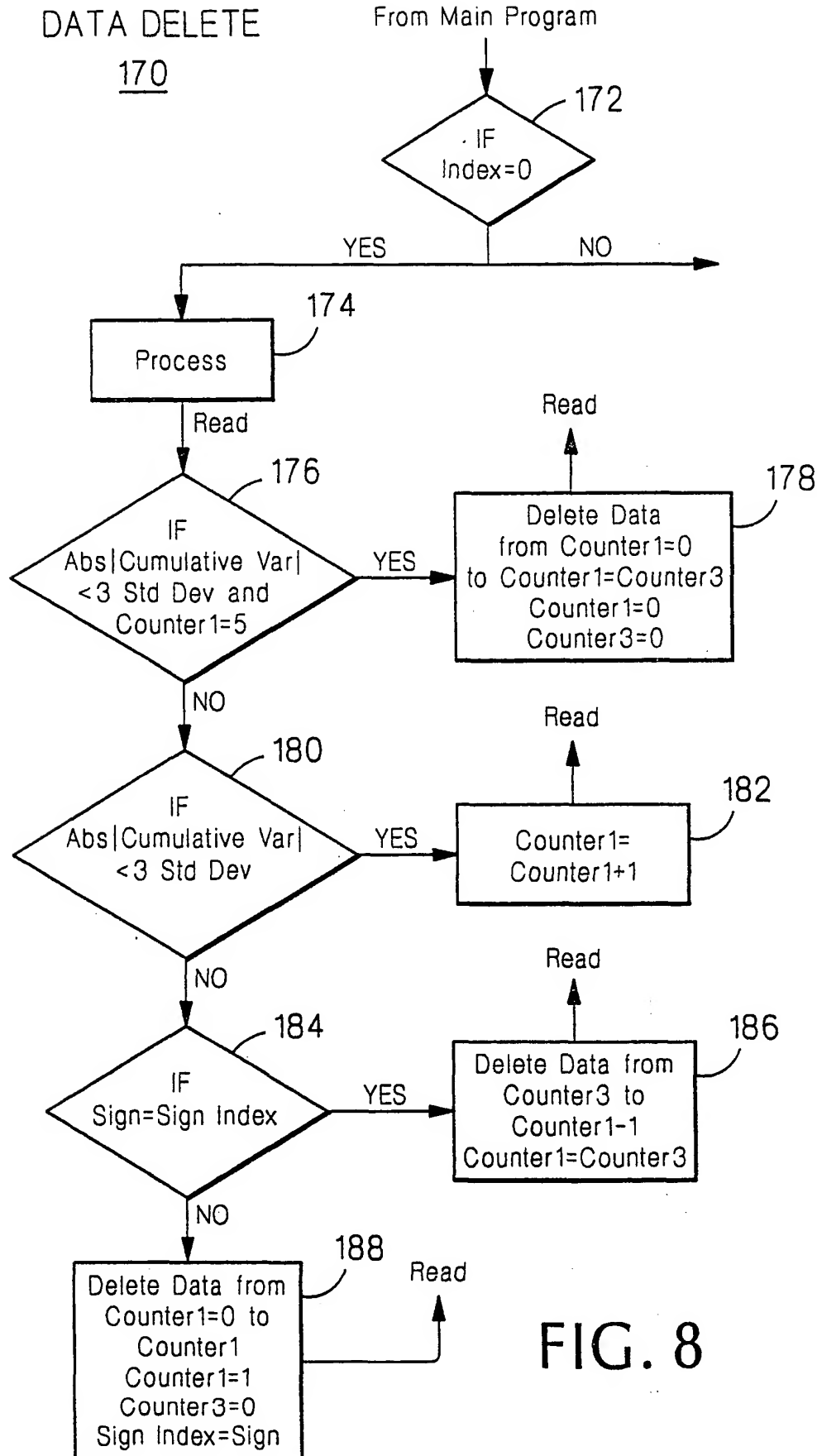
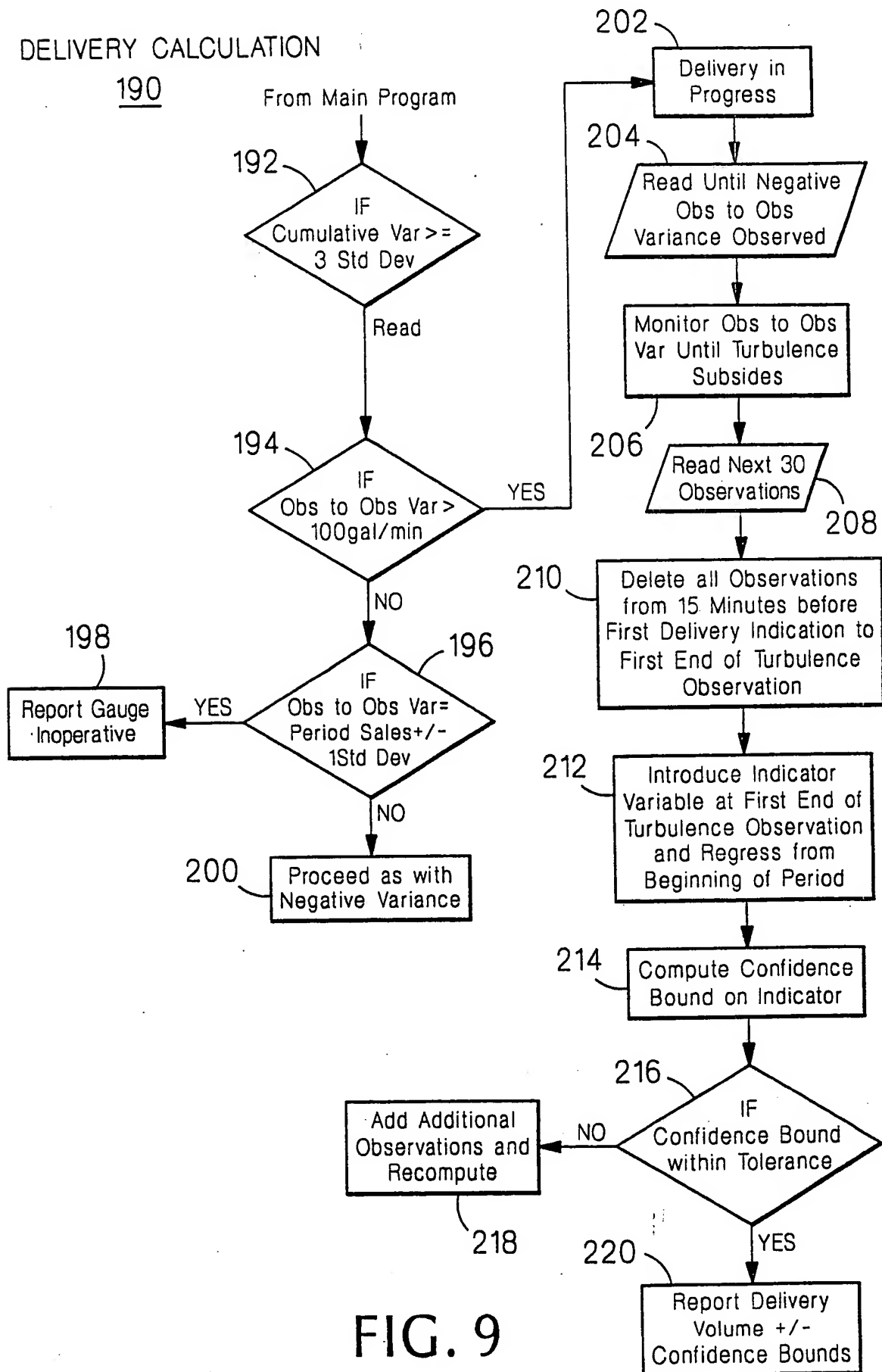


FIG. 8

DELIVERY CALCULATION



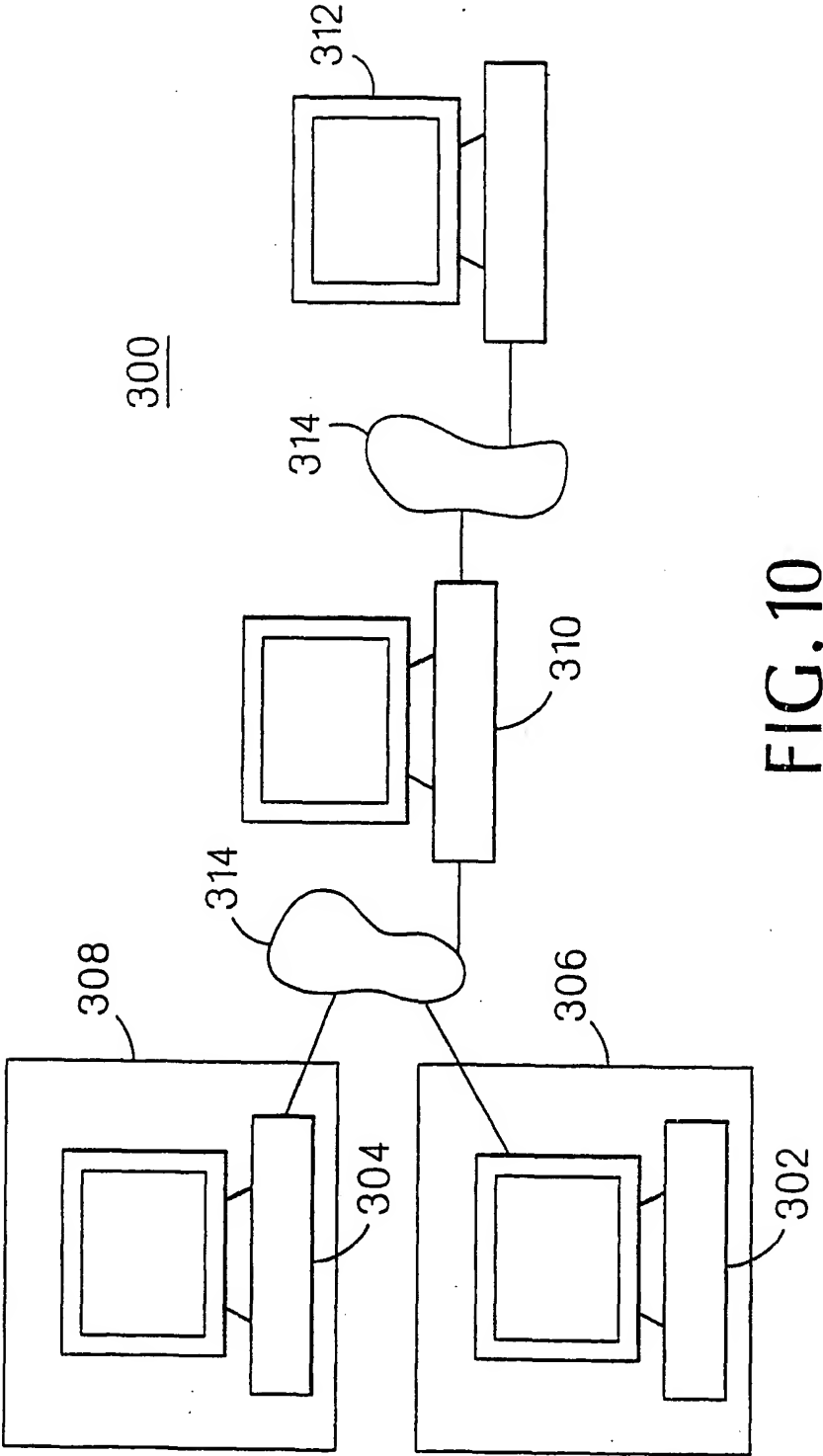
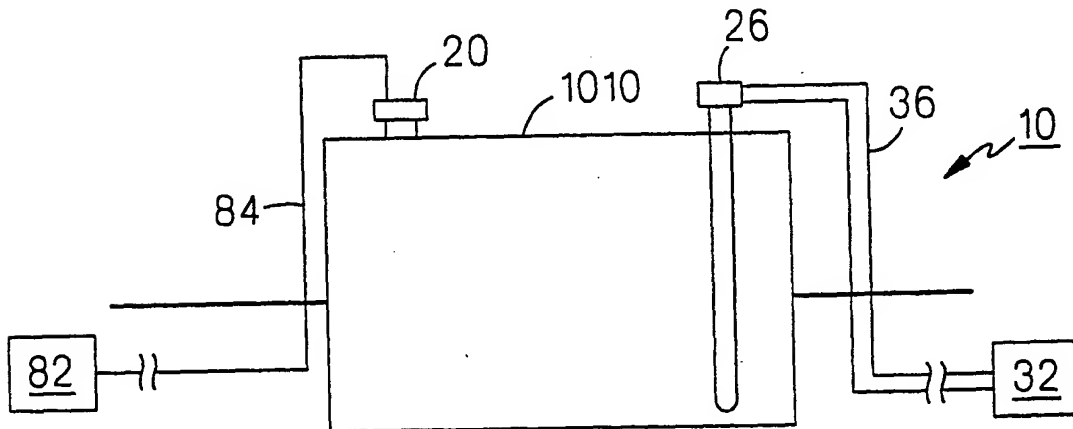
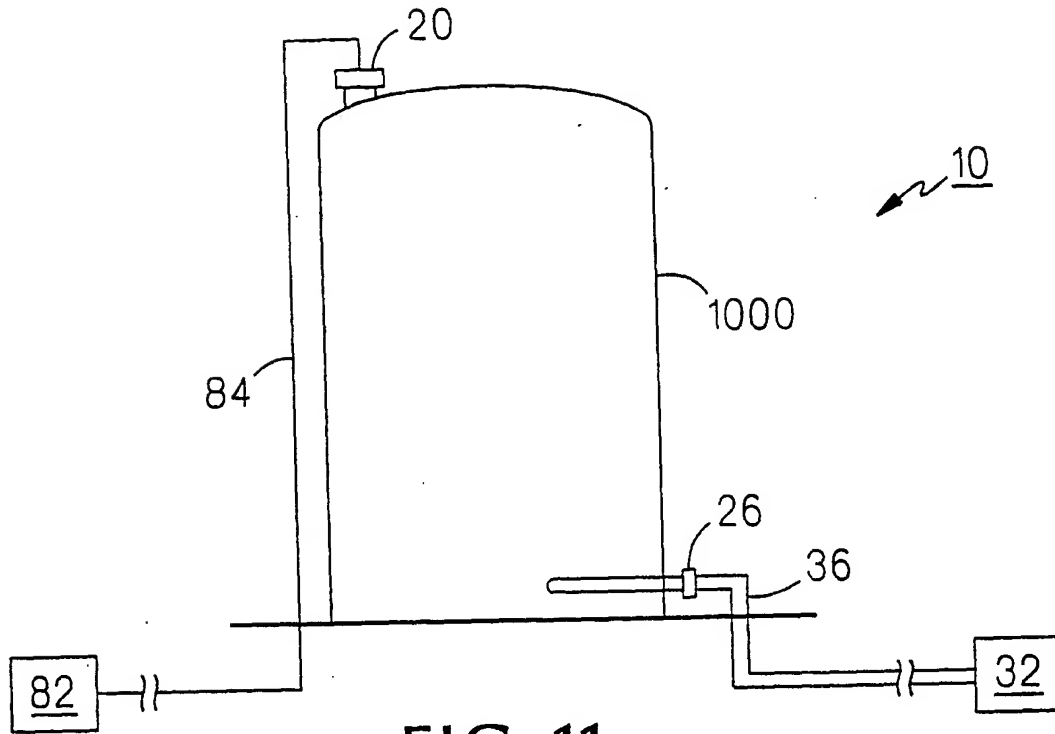


FIG. 10



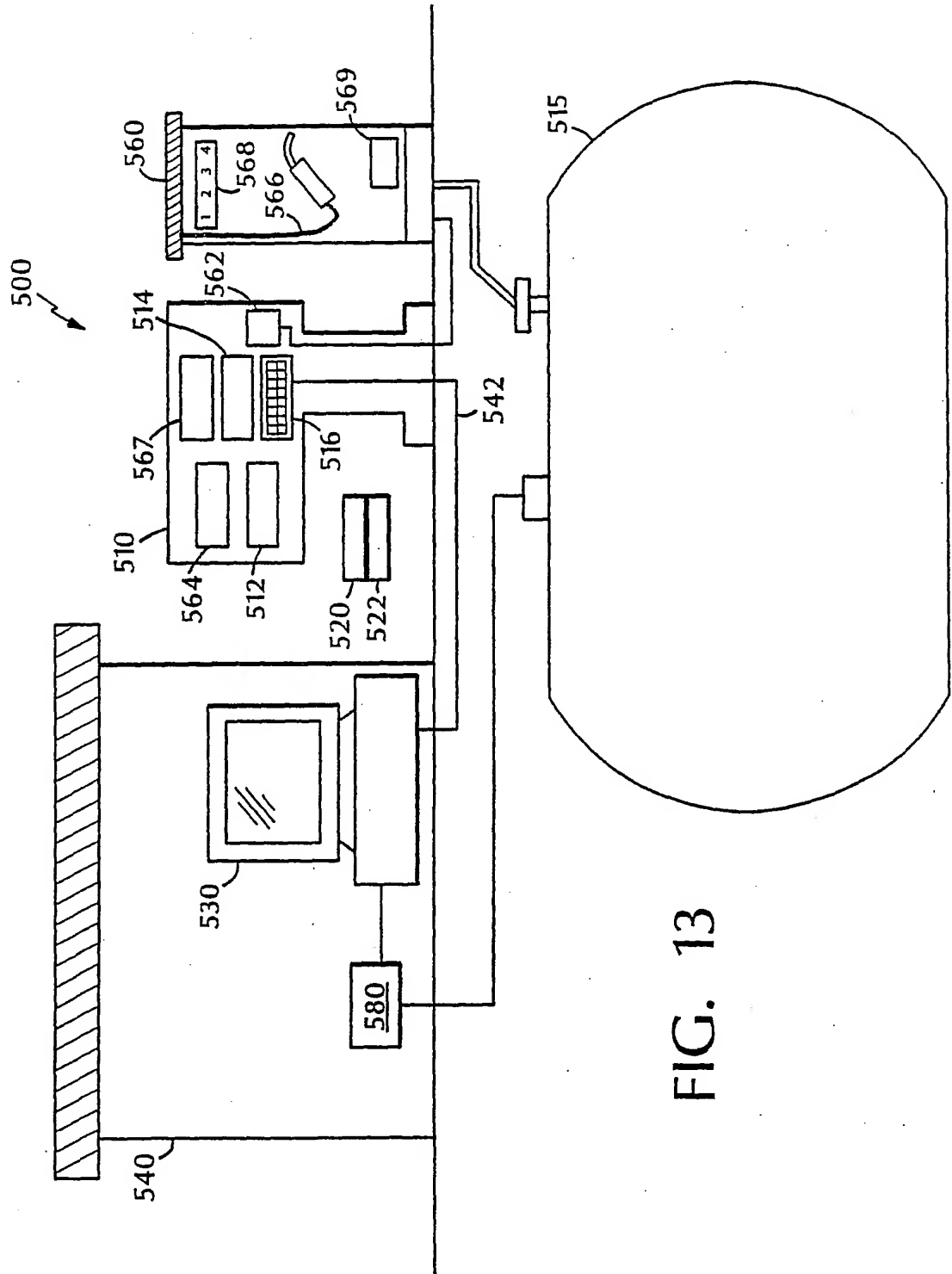


FIG. 13